

Features

- OSC Low power crystal oscillator
- Low current consumption: 200 μ A (20 MHz)
- Integrated oscillator load capacitors
- Built-in bias references
- 3 configurable frequency ranges: 1–8 MHz, 8–16 MHz, 16–25 MHz
- Low crystal aging
- Clock operating voltage from 1.0 V to 5.5 V
- Startup monitor with reset generator
- Fast start-up time (< 2 ms)

General Description

OSCILLATOR: The crystal oscillator SGC61518 is optimized for clock generation. The oscillator has been designed to work from 1MHz to 25 MHz in three programmable ranges. It uses advanced amplitude control to achieve both low power consumption and reduced crystal aging without compromising performance nor crystal selection flexibility. It includes current generator and load capacitors for simple integration and small BOM. It is specified from $T_j = -40\text{ }^\circ\text{C}$ to $+125\text{ }^\circ\text{C}$.

Applications

Quick Reference

Applications Diagram